

BOARD OF PUBLIC WORKS OF THE COUNTY OF KENT

1500 Scribner Ave., N.W. Grand Rapids, Michigan 49504

Telephone: (616) 774-3694

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April 27, 1983

Mr. Gerard Heyt
District Supervisor
State of Michigan
Department of Natural Resources
State Office Building
350 Ottawa Avenue, N.W.
Grand Rapids, Michigan

US EPA RECORDS CENTER REGION 5



502508

RE: Response to Your Letter Dated March 30, 1983

Dear Mr. Heyt:

Since our last meeting, the D.P.W. staff disassembled some of the leachate collection system and did an inspection of all manholes. Our findings indicated that there is a constraint in the 8" gravity line between manholes number 2 and 3 (see attached sketch). There is approximately 12 feet of standing liquid in manholes number 1 and 2. All other manholes appear to be functioning normally. I have already contracted the services of a sewer cleaning contractor to remove the constraint and clean and perform television inspection of 1,500 feet of the 8" gravity sewer. This represents all the sewer that is directly underneath the active landfill area. The contractor is expected to complete the work within 60 days. Approval to do the work was given at the April 27, 1983, meeting of the Board of Public Works.

As you may recall, a similar but more severe situation like this occurred in the summer of 1979. I have attached a graph showing BOD concentrations during this time. This graph clearly indicates the affect which cleaning the sewer had on the system, and should help confirm our belief that once the system is returned to gravity flow the problem will be solved. I do not feel that any other remedial action as described in your letter should take place at this time. However, I would like to respond to the proposed actions you itemized.

1. The reintroduction of leachate has not taken place since August of 1982. If the leachate collection system is operating properly, this process should not cause any problems or hydraulic pressure on the landfill liner. On the contrary, (see attached article) this method should be viewed as a treatment alternative and in addition, a method used to enhance gas production.

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- 2/3. We have been making a continued effort to properly slope and grade the landfill for drainage. I would suggest you or someone from your staff review the site with me so I can show you the progress that we have made. We will continue until closing to operate in this manner.
4. This was completed and described above.

Finally, our records indicate that borings and attempts to place wells on the southern end of the site have been very unsuccessful. We do not feel it beneficial to install any additional wells upgradient of the area of known impact.

Should you have any further questions or comments, please contact me at 774-3693.

Sincerely,

KENT COUNTY DEPARTMENT OF PUBLIC WORKS

Lee A. Bartlett, P.E.
Civil Engineer

LAB/srm
Enclosures

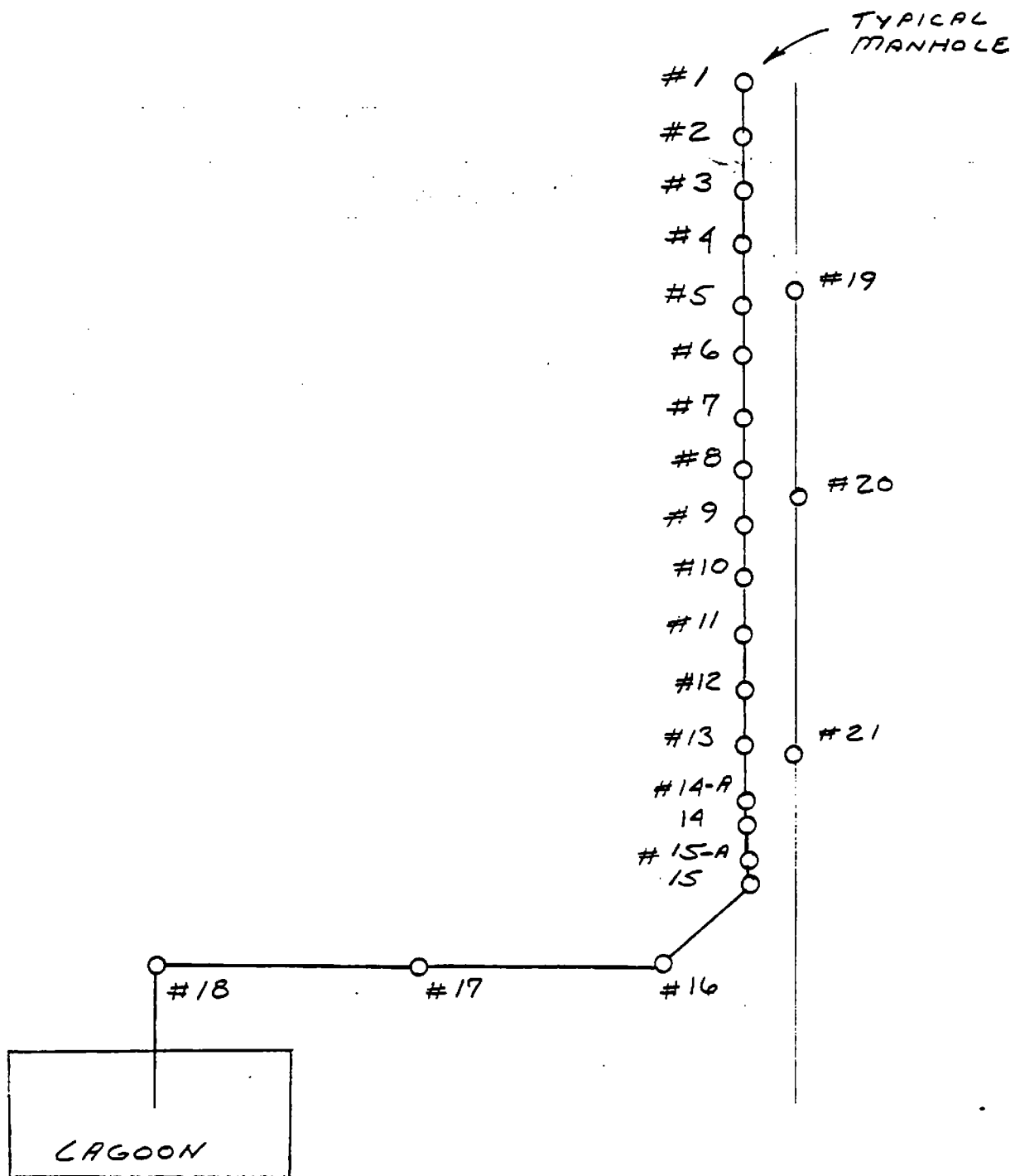


FIGURE ONE

N
↑
NO SCALE

BOD₅

004

006

005

007

No discharge requirements

JUN - '77

MAR - '83

Effluent limitation

